

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 016907-1248		SERIAL NO. To Be Assigned		
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				APPLICANT Gaku TAKANO et al.				
				FILING DATE August 6, 2001		GROUP ART UNIT Unassigned		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
J	A1	5,708,514	01/13/1998	Higuchi et al.	358	458		
J	A2	4,977,464	12/11/1990	Ikuta	358	448		
J	A3	6,069,636	05/30/2000	Sayuda et al.	345	433		
		6377361	4/23/2002	Sakane et al.	358	1.9		
U.S. PATENT APPLICATION DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
J	A4	09/228,956		Sakane	358	1.9	01/12/1999	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
J	A5	2-136255	05/24/1990	Japan				Abstract
J	A6	9-172537	06/30/1997	Japan				Abstract
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER				DATE CONSIDERED				
Jerome M. [Signature]				3-15-05				
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								